

SALES SHEET
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Wilcox's HP/LP Quick-Fill Charging System

BACKGROUND

Operating in chemically, biologically, or potentially contaminated environments or oxygen deficient environments require the use of Self Contained Breathing Apparatuses (SCBA). Oftentimes, mission scenarios and/or mission duration require operational personnel remain on target beyond the limitation of the carried air source. Further, certain mission scenarios may require the use of pneumatic powered tools to fulfill the mission objective. In order to meet these mission scenarios or requirements, operational personnel require a simple but robust portable air supply system that can be used as a supplemental breathing air source as well as a power source for pneumatic air tools.

FEATURES

The Wilcox HP/LP Quick-Fill Charging System is a pressurized charging system that provides an operator with transportable air to extend time on target while using the *PATRIOT Land Based Hybrid Life Support System* or any other SCBA unit. In emergency low pressure situations, this unit can expand the operators' breathing capacity by a factor of 2. The *HP/LP Quick-Fill Charging System* has the added capability of also powering pneumatic tools, and is designed to interface with a wide variety of other Wilcox accessories for easy integration that can meet the needs of a multitude of mission profiles.

This system has two principle methods of operation. Cascading pressure between the fully charged *HP/LP Quick-Fill Charging System* and a connected *PATRIOT* allows the *PATRIOT* to be recharged to equalize pressure. Additionally, connecting the *PATRIOT* to the *HP/LP Quick-Fill Charging System* can provide added life sustainment for longer missions, or when it is desirable to have compressed air without mounting cylinders to the *PATRIOT*.

THIS SYSTEM

The *HP/LP Quick-Fill Charging System* consists of a Pelican Case, rugged foam lining, two (2) 550 cu in, aluminum lined, carbon fiber wrapped cylinders (194 SCF Total at 4,500 system. An optional *HP to HP Charging Hose* is used for self recharging or directly attach the *Wilcox Quick-Fill Charging System* to the *PATRIOT* to meet mission requirements (available in a variety of lengths and configurations, custom lengths can be specified).

Once connected, the operator can open the cylinder(s) on the *PATRIOT*, then on the *HP/LP Quick-Fill Charging System*, providing a free flow between the two systems. This extends the *PATRIOT's* operational time with up to 120 minutes of additional air. Refilling takes less than two minutes.



The Wilcox HP/LP Quick-Fill Charging System Performing a Fill Operation using the Waist Level Charging Hose from the *PATRIOT*®

WILCOX[®]
MODULAR BY DESIGN

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SPECIFICATIONS

Distinct Features and Specific Adjustments of the HP/LP Quick Fill Charging System are as follows:

- 1) The Control Panel is recessed to protect the system from damage in transport.
- 2) A High Pressure Relief Valve allows for release of air in the event of over-pressurization.
- 3) Dual Pressure Gauges allow for individual monitoring of Cylinder pressure.
- 4) A Retractable Handle and Wheels are featured on the storage case to ease transport.
- 5) Release latches (not shown) secure the storage case when not in use, and allow access to the cylinder bay.
- 6) Dust covers on all connectors protect the Quick Disconnects from dirt entry.
- 7) Dual Valves provide manual control of High Pressure air flow.
- 8) Two Tie Down Nuts secure the Case to the Control Panel.
- 9) A Low Pressure Control provides manual control of Low Pressure air flow.
- 10) An LP Burst Assembly allows for release of air in the event of LP Regulator failure.
- 11) An LP Quick Connect allows connection of the LP to LP Charging Hose for Air Tools.
- 12) An HP Quick Connect allows for connection of HP Charging Hoses of various lengths.
- 13) A Low Pressure Gauge allows the operator to monitor LP system output.



**Quick-Fill Charging System
(Handle Extended)**

ORDER NUMBER:

34900G01 HP/LP Quick Fill Charging System

ORDER NUMBER FOR ACCESSORY:

21500G01 HP to HP Charging Hose - 36" Long

21500G02 HP to HP Charging Hose - 25' Long, Female Q.D. Fittings

21500G03 HP to HP Charging Hose - 25' Long, One Female, One Male Q.D. Fitting

21500G04 HP to HP Charging Hose Assembly - Four PATRIOT Capacity

22702G02 LP to LP Air Hose for Air Tools - 8' Long

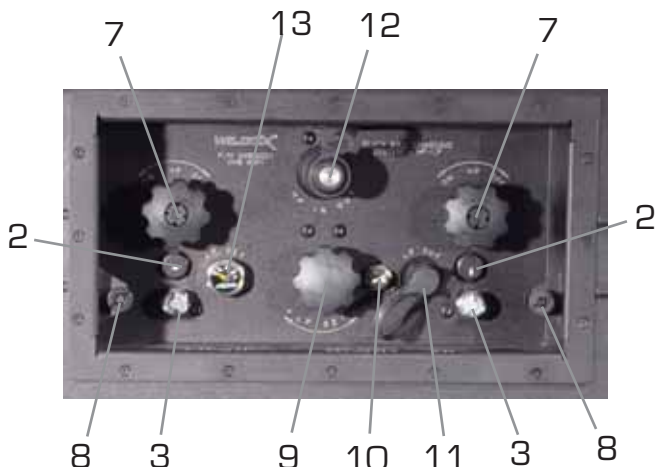
To obtain pricing information on this product, contact the Wilcox Industries Corp. Marketing Department.

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**HP/LP Quick-Fill Charging System
Control Panel**